

Converting Colors

`RYB(237, 196, 228)`

Have a look what the booklet for
RYB(237, 196, 228) contains.

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Color

R_YB(237, 196, 228)

Conversions

Conversions Part 1

Format	Color
Hex	EDC4E4
RGB	237, 196, 228
RGB Percent	93%, 77%, 89%
CMY	0.0706, 0.2314, 0.1059
CMYK	0.00, 0.17, 0.04, 0.07
HSL	313°, 53%, 85%
HSV	313°, 17%, 93%
XYZ	68.6686, 63.0858, 81.9563
YIQ	211.9070, 14.1640, 18.6440

Conversions

Conversions Part 2

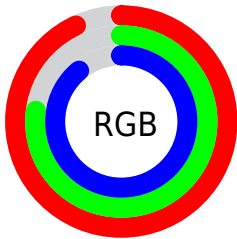
Format	Color
R _{YB}	237, 196, 228
Decimal	15582436
CIE _{Lab}	83.49, 19.83, -10.40
CIE _{LCh}	83, 22.389, 332.322
Yxy	63.0858, 0.3213, 0.2952
Android (android.graphics.Color)	4293772516 (0xFFEDC4E4)
YUV	211.9070, 7.9338, 22.0066
Hunter-Lab	79.4266, 15.3264, -5.5798

Details

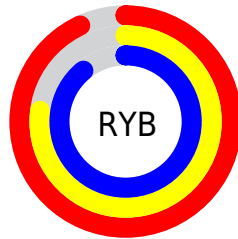
The RYB color **237, 196, 228** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **196, 230, 237**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is 255, 253, 255, and **181, 142, 173** is the 20% darker color. If you saturate the color by 10%, you get **237, 172, 223**, and if you desaturate by 10%, it is **237, 220, 233**.

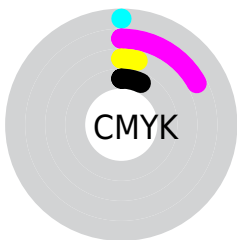
Distribution



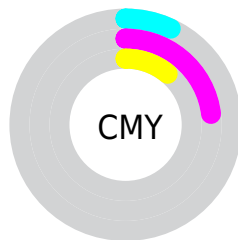
- Red (93%)
- Green (77%)
- Blue (89%)



- Red (93%)
- Yellow (77%)
- Blue (89%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (7%)



- Cyan (7%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 196, 228 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 237, 196, 228 by changing the saturation by 10% instead.


 237, 196, 228

 237, 196, 228

255, 255, 255

 209, 169, 200


 255, 253, 255

 181, 142, 173

 154, 116, 146

 128, 92, 120


 102, 68, 96

 78, 45, 72


 54, 23, 49

 34, 0, 28


 0, 0, 0

 237, 196, 228


 237, 196, 228

 237, 172, 223

 237, 220, 233

 237, 149, 218

 237, 242, 243

 237, 125, 212

 237, 250, 255

 237, 101, 207

 237, 248, 255

 237, 78, 202

 237, 246, 255

 237, 54, 197

 237, 246, 255

 237, 30, 192

 237, 6, 186

 237, 0, 185

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



214, 202, 244



237, 196, 228



250, 193, 207

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



237, 196, 228



188, 223, 166



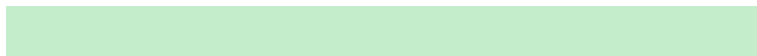
151, 188, 230

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



237, 196, 228



196, 230, 237

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



157, 192, 220



237, 196, 228



172, 214, 187

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



237, 196, 228



241, 221, 171



176, 209, 218



162, 195, 245

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



237, 196, 228



252, 194, 193



176, 209, 218



151, 186, 223

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



237, 196, 228



255, 242, 252



205, 196, 237



128, 120, 126



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



237, 196, 228



255, 201, 243



237, 196, 208



117, 106, 115



181, 0, 141



54, 0, 42

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



237, 196, 228



255, 201, 243



196, 220, 237



117, 106, 115



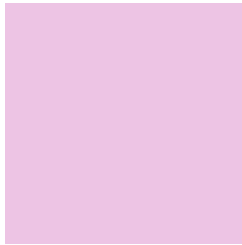
181, 0, 141



54, 0, 42

Previews

White Background



This preview shows how the RYB color 237, 196, 228 looks on a white background.

Color Contrast Check

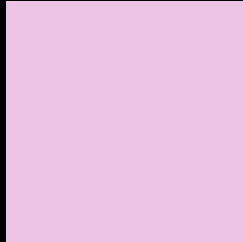
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 237, 196, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

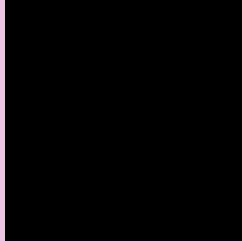
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 237, 196, 228 Background



This preview shows how black text looks on a background with the RYB color 237, 196, 228.



This preview shows how white text looks on a background with the RYB color 237, 196, 228.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
237, 196, 228

Protanopia
204, 207, 235

Deuteranopia
220, 202, 227



Tritanopia
235, 198, 214

Trichromacy



Original Color
237, 196, 228

Protanomaly
216, 203, 232

Deuteranomaly
226, 200, 227

Tritanomaly
236, 197, 219

Monochromacy



Original Color
237, 196, 228

Achromatopsia
212, 212, 212

Achromatomaly
221, 206, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 237, 196, 228 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(237, 196, 228) looks like.

```
.text, #text, p{  
    color:rgb(237, 196, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(237, 196, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 196, 228) }
```

Border

The CSS property to change the border of an element to RYB 237, 196, 228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 196, 228) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(237, 196, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(237, 196, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 196, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 196, 228);  
box-shadow:4px 4px 4px 4px rgb(237, 196,  
228) }
```

Background

The CSS property to change the background color of an element to RYB 237, 196, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 196, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(237,  
196, 228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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